

Appln. No.: 10/780,689

Attorney Doctet No. 10541-1986

II. Remarks

Reconsideration and re-examination of this application in view of the above amendments and the following remarks is herein respectfully requested. Claims 2, 7-12, and 20-22 have been cancelled. Claims 24-26 have been added. Accordingly, claims 1, 3-6, 13-19, and 23-26 remain pending.

Allowable Subject Matter

The examiner objected to claims 13 and 14 as being dependent upon a rejected base claim, but indicated claims 13 and 14 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Accordingly, claim 13 has been represented in independent form including all the limitations of the previous base claim, and claim 14 depends from claim 13.

Claim Rejections - 35 U.S.C. §103(a)

Claims 1-23 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,373,162 to Liang et al. (Liang).

With regard to claim 1, a coil is provided outside the flux carrier, where the flux carrier extends around the field winding and the rotor, Liang does not teach the coil being located outside the flux carrier, where the flux carrier extends around the field winding and the rotor. Liang exclusively teaches multiple coils

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located inside a housing 12 that acts as a flux carrier. Liang does not teach or suggest locating a coil outside the housing 12 to affect the magnetic field generated by the motor. Accordingly, Liang does not teach or suggest the present invention provided in claim 1.

Claims 3-6 depend directly or indirectly from claim 1 and are, therefore, patentable for at least the reasons given above in support of claim 1.

With regard to claim 15, the field modification module includes a coil external to the motor. As noted above, Liang does not teach or suggest a coil external to the motor, nor does the examiner provide facts supporting why it would be obvious to a person of ordinary skill in the art to provide a coil external to the motor to modify the magnetic field as provided by claim 15. Accordingly, applicants respectfully submit that the examiner has not established a *prima facie* case of obviousness for claim 15 as originally submitted. Claims 16-19 depend directly or indirectly from claim 15 and are, therefore, patentable for at least the same reasons as given in support of claim 15 above.

Claim 23, as originally presented and now provided in independent form, provides that the coil is located inside a magnet. Liang does not teach or suggest a coil that modifies a magnetic field that is located inside a magnet. Further, the examiner provides no facts supporting that it would be obvious to one of ordinary skill in the art to locate the coil inside the magnet. Therefore, applicants respectfully submit the examiner has not established a *prima facie* case of obviousness with regard to claim 23.



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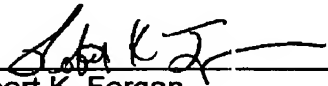
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Accordingly, applicants respectfully request withdrawal of the rejections under 35 U.S.C. §103.

Conclusion

In view of the above amendments and remarks, it is respectfully submitted that the present form of the claims are patentably distinguishable over the art of record and that this application is now in condition for allowance. Such action is respectfully requested.

Respectfully submitted by,

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